

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A liquid crystal display device, comprising:
a lower substrate;
an upper substrate opposing the lower substrate;
a liquid crystal layer disposed between the lower substrate and the upper substrate; and
a pixel region including pixels juxtaposed at a pixel pitch; and
a reflective layer on an inner surface or an outer surface of the lower substrate; ~~substrate, the reflective layer including an irregular surface including a plurality of irregularities being formed on the surface of the reflective layer, the irregular surface including at least two types of irregularity groups having different shapes or sizes, each of the irregularity groups having substantially randomly arranged irregularities in plan view, and the irregularity groups being substantially randomly arranged in plan view, at least a portion of the different irregularity groups having a different length from the pixel pitch and being disposed within a single pixel in plan view.~~
2. (Currently Amended) A liquid crystal display device, comprising:
a lower substrate;
an upper substrate opposing the lower substrate;
a liquid crystal layer disposed between the lower substrate and the upper substrate; and
a reflective layer on an inner surface or an outer surface of the lower substrate;
an irregular surface including a plurality of irregularities being formed on the surface of the reflective layer, the irregular surface including irregularity groups each of

which has substantially randomly arranged irregularities in plan view, and the irregular surface including a periodically repeating arrangement of irregularities with a plurality of the irregularity groups as a repetition unit, adjacent rows of periodically repeating units being shifted out of alignment.

3. (Canceled)

4. (Currently Amended) The liquid crystal display device according to ~~Claim 3~~claim 2, the planar shift length between adjacent rows of the irregularity groups being substantially constant.

5. (Currently Amended) The liquid crystal display device according to ~~Claim 3~~claim 2, the planar shift length between adjacent rows of the irregularity groups being 10% to 40% of the length of a row of the irregularity groups.

6. (Original) The liquid crystal display device according to Claim 2, the irregularity groups being aligned in one direction in the irregular surface to form rows and each row including at least two types of irregularity groups having different lengths along the extending direction.

7. (Original) The liquid crystal display device according to Claim 6, the irregularity groups having different lengths being randomly arranged in the rows.

8. (Currently Amended) The liquid crystal display device according to ~~Claim 3~~claim 2, the direction of the rows being substantially parallel to an arrangement direction of pixels of the liquid crystal display device.

9. (Original) The liquid crystal display device according to Claim 1, the planar shapes of the irregularity groups being substantially rectangular.

10. (Original) The liquid crystal display device according to Claim 9, at least one irregularity being formed at each of the boundaries between the adjacent irregularity groups.

11. (Original) The liquid crystal display device according to Claim 1, the planar shapes of the irregularity groups being substantially quadrangular and the shapes of two opposing edges of the irregularity groups are substantially the same.

12. (Canceled)

13. (Original) The liquid crystal display device according to Claim 2, the length of the repetition unit of a plurality of the irregularity groups in the direction of the pixels being different from a pitch of the pixels of the liquid crystal display device.

14. (Currently Amended) A reflector, comprising:

a substrate; ~~and~~

a reflective layer formed on the substrate; and

a pixel region including pixels juxtaposed at a pixel pitch;

the reflective layer including an irregular surface including a plurality of irregularities being formed on the surface of the reflective layer, the irregular surface including at least two types of irregularity groups having different shapes or sizes, each of the irregularity groups having substantially randomly arranged irregularities in plan view, and the irregularity groups being substantially randomly arranged, at least a portion of the different irregularity groups having a different length from the pixel pitch and being disposed within a single pixel in plan view.

15. (Currently Amended) A reflector, comprising:

a substrate; and

a reflective layer formed on the substrate;

an irregular surface including a plurality of irregularities being formed on the surface of the reflective layer, the irregular surface including irregularity groups each having substantially randomly arranged irregularities in plan view, and the irregular surface including periodically repeating arrangement of the irregularities with a plurality of the irregularity

groups as a repetition unit, adjacent rows of periodically repeating units being shifted out of alignment.

16. (Original) An electronic device, comprising:
the liquid crystal display device according to Claim 1.